

Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **12541**Strain : **JCM 10707**Lot # : **12541_B3J1**Organism : ***Comanilactobacillus paralimentarius***

1. Shipping

Volume : **20** uL

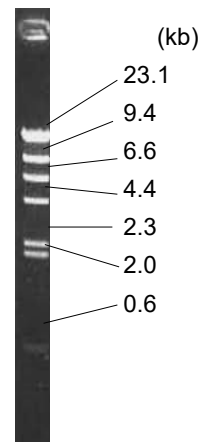
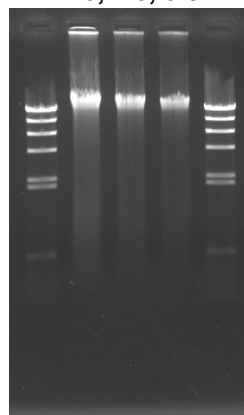
2. Concentration of Genomic DNA

Concentration (OD 260) : **215** ng/uL
A260 / A280 : **1.87**

3. Electrophoresis of Genomic DNA

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : **2.0, 1.0, 0.5** uL/lane
size marker : Lambda / HindIII (200 ng/Lane)
2.0, 1.0, 0.5 (uL)Date : **2024/3/15**

Marker (Lambda / HindIII, NEB#3012S)



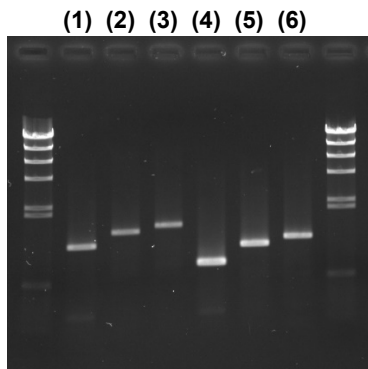
4. PCR Amplification

Conditions of PCR Ribosomal RNA (rRNA) gene
Template : 100 fold diluted DNA, 1 uL
Enzyme : KOD plus (TOYOBO)
Volume : 20 uLReaction program :
94 degC 2 min
x 30 cycle [94 degC 15 sec
60 degC 30 sec
68 degC 60 sec]
68 degC 2 minDate : **2024/3/21**

PCR primers for rRNA gene

| | |
|----------|---------------------------|
| EB-20F | 5'- AGTTTGATCCTGGCTC -3' |
| EB-350F | 5'- TACGGGAGGCAGCAG -3' |
| EB-1100R | 5'- AGGGTTGCGCTCGTTG -3' |
| EB-1400R | 5'- ACGGGCGGTGTGTAC -3' |
| EB-1530R | 5'- AAGGAGGTGATCCAGCC -3' |

Reference: Please visit online-manual site below.

http://dna.brc.riken.jp/en/manualen/manual_genom_dna

Sample Number

| | EB-20F | EB-350F |
|----------|--------|---------|
| EB-1100R | (1) | (4) |
| EB-1400R | (2) | (5) |
| EB-1530R | (3) | (6) |

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : 3 uL PCR product/Lane
Size marker : Lambda / HindIII (200ng/Lane)

5. Nucleotide sequence of rRNA gene

Confirmed Date : **2024/3/21**